

## EAST Search History

## EAST Search History (Prior Art)

| Ref # | Hits    | Search Query   | DBs             | Default Operator | Plurals | Time Stamp       |
|-------|---------|--|-----------------|------------------|---------|------------------|
| L1    | 112     | ((request\$4 same C1D) same (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))  | US-PGPUB; USPAT | OR               | ON      | 2011/05/29 13:19 |
| L2    | 234     | (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).ab. and C1D  | US-PGPUB; USPAT | OR               | ON      | 2011/05/29 13:26 |
| L3    | 7841780 | @pd<"20040510"   | US-PGPUB; USPAT | OR               | ON      | 2011/05/29 13:26 |
| L4    | 12      | 2 and 3  | US-PGPUB; USPAT | OR               | ON      | 2011/05/29 13:27 |
| L5    | 217     | (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).ab. and C1D and ((base adj2 station) or node\$b or nodeb or (node adj b))                  | US-PGPUB; USPAT | OR               | ON      | 2011/05/29 13:30 |
| L6    | 134     | (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).ab. and (C1D same2 response) and ((base adj2 station) or node\$b or nodeb or (node adj b)) | US-PGPUB; USPAT | OR               | ON      | 2011/05/29 13:30 |
| S1    | 35      | (rang\$4 and (backoff or (random adj delay))).ab.  | US-PGPUB; USPAT | OR               | ON      | 2011/05/26 14:13 |
| S2    | 275109  | ("455"/\$.ccls. or "370"/\$.ccls.)   | US-PGPUB; USPAT | OR               | ON      | 2011/05/26 14:13 |
| S3    | 1029    | (rang\$4 and (backoff or (random adj delay))).bsum.  | US-PGPUB; USPAT | OR               | ON      | 2011/05/26 14:13 |
| S4    | 750     | S2 and S3  | US-PGPUB; USPAT | OR               | ON      | 2011/05/26 14:13 |
| S5    | 119     | (rang\$4 and (backoff or (random adj delay))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj off) or (hand\$4 adj over))).bsum.                                   | US-PGPUB; USPAT | OR               | ON      | 2011/05/26 14:19 |

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| S6  | 115    | S2 and S5   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>14:20 |
| S7  | 12     | ("20050059437"  <br>"20050122936"  <br>"4144411"   "5179559"  <br>"5260943"   "5345467"  <br>"5901145"   "6078570"  <br>"6137783"   "6721564"  <br>"6725052"   "7072656").<br>PN.                                     | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>14:25 |
| S8  | 103    | ((ranging or synchroniz\$7)<br>and (backoff or delay)).ab.<br>and (handover or handoff<br>or hand\$over or hand\$off<br>or (hand\$4 adj off) or<br>(hand\$4 adj over)).bsum.  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>15:26 |
| S9  | 103    | ((ranging or synchroniz\$7)<br>and (backoff or back\$5off<br>or (back\$5 adj off) or<br>delay)).ab. and (handover<br>or handoff or hand\$over<br>or hand\$off or (hand\$4<br>adj off) or (hand\$4 adj<br>over)).bsum. | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>17:39 |
| S10 | 16     | ((ranging) and (backoff or<br>back\$5off or (back\$5 adj<br>off) or delay)).ab. and<br>(handover or handoff or<br>hand\$over or hand\$off or<br>(hand\$4 adj off) or (hand<br>\$4 adj over)).bsum.                    | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>17:39 |
| S11 | 495    | ((ranging) and (backoff or<br>back\$5off or (back\$5 adj<br>off) or delay)).bsum. and<br>(handover or handoff or<br>hand\$over or hand\$off or<br>(hand\$4 adj off) or (hand<br>\$4 adj over)).bsum.                  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>17:42 |
| S12 | 168    | ((ranging) same (backoff<br>or back\$5off or (back\$5<br>adj off) or delay)).bsum.<br>and (handover or handoff<br>or hand\$over or hand\$off<br>or (hand\$4 adj off) or<br>(hand\$4 adj over)).bsum.                  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>17:42 |
| S13 | 275109 | ("455"/\$.ccls. or "370"/\$.<br>ccls.)  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>17:43 |
| S14 | 149    | S13 and S12   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>17:43 |

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| S15 | 62  | ((ranging) and (backoff or back\$5off or (back\$5 adj off))).bsum. and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj off) or (hand \$4 adj over)).bsum.  | US-PGPUB; USPAT        | OR | ON | 2011/05/26 18:07 |
| S16 | 431 | (rng\$req or rng\$rsr or (ranging adj (request\$5 or query\$5 or inquire\$5 or procedure or burst))) and (back\$5off or (back\$5 adj off) or backoff)  | US-PGPUB; USPAT        | OR | ON | 2011/05/26 18:20 |
| S17 | 67  | (rng\$req or rng\$rsr or (ranging adj (request\$5 or query\$5 or inquire\$5 or procedure or burst))) and (back\$5off or (back\$5 adj off) or backoff) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj off) or (hand \$4 adj over)).bsum. | US-PGPUB; USPAT        | OR | ON | 2011/05/26 18:20 |
| S18 | 341 | S13 and S16  | US-PGPUB; USPAT        | OR | ON | 2011/05/26 18:21 |
| S19 | 148 | ((rng\$req or rng\$rsr or (ranging adj (request\$5 or query\$5 or inquire\$5 or procedure or burst))) same2 (back\$5off or (back \$5 adj off) or backoff))   | US-PGPUB; USPAT        | OR | ON | 2011/05/26 18:21 |
| S20 | 129 | S13 and S19  | US-PGPUB; USPAT        | OR | ON | 2011/05/26 18:21 |
| S21 | 5   | ("4630264"   "5390181"   "5579321"   "5699515"   "5793759").PN.  | US-PGPUB; USPAT; USOCR | OR | ON | 2011/05/26 18:36 |
| S22 | 10  | ("4516205"   "4542501"   "4543574"   "4630264"   "5253252"   "5390181"   "5579321"   "5699515"   "5793759"   "6215792").PN.  | US-PGPUB; USPAT; USOCR | OR | ON | 2011/05/26 18:37 |
| S23 | 6   | (ranging and (back\$5off or (back\$5 adj off) or backoff)).ab.   | US-PGPUB; USPAT        | OR | ON | 2011/05/26 18:39 |
| S24 | 142 | (ranging same (collision or collide or failure) same (back\$5off or (back\$5 adj off) or backoff))   | US-PGPUB; USPAT        | OR | ON | 2011/05/26 18:49 |
| S25 | 126 | S13 and S24  | US-PGPUB; USPAT        | OR | ON | 2011/05/26 18:49 |

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| S26 | 56     | ((ranging same (collision or collide or failure) same ((backoff or back\$off or (back adj off)) near2 (window or start or end)))  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/26<br>19:12 |
| S27 | 317    | ((rng\$req or rng\$rsp or (ranging adj (request\$5 or query\$5 or inquire\$5 or procedure or burst))) same (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))) | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>11:28 |
| S28 | 281    | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) same (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>11:28 |
| S29 | 44     | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) same field same (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))                                      | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>11:29 |
| S30 | 24     | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) with field with (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))                                      | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>11:29 |
| S31 | 190    | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) with (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>11:30 |
| S32 | 57     | ((ranging and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))).ab.  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>12:34 |
| S33 | 383    | ((ranging same (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))).bsum.   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:18 |
| S34 | 275109 | ("455"/\$.cds. or "370"/\$.cds.)  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:21 |

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| S35 | 292     | (ranging with (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))).bsum.   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:21 |
| S36 | 260     | S34 and S35  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:21 |
| S37 | 7841780 | @pd< "20040510"  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:22 |
| S38 | 36      | S33 and S37  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:23 |
| S39 | 610     | (ranging with (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:24 |
| S40 | 47      | S37 and S39  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:24 |
| S41 | 633     | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))       | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:25 |
| S42 | 4       | S37 and S41  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:25 |
| S43 | 273     | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))).bsum. | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:27 |
| S44 | 281     | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) same (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))      | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:36 |
| S45 | 633     | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))       | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:37 |
| S46 | 468     | (rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).bsum.   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:38 |

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| S47 | 444 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) same3 (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:39 |
| S48 | 421 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) same2 (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)))   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:39 |
| S49 | 0   | S37 and S48  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:39 |
| S50 | 613 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))) and ((base adj2 station) or (access adj point))             | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:40 |
| S51 | 463 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))) and ((base adj2 station) or (access adj point)) and code    | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:40 |
| S52 | 154 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).ab. and ((base adj2 station) or (access adj point)) and code | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:40 |
| S53 | 222 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).ab. and ((base adj2 station) or (access adj point))          | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:44 |

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| S54 | 222 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).ab. and ((base adj2 station) or (access adj point)))  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:45 |
| S55 | 569 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)) and ((base adj2 station) or (access adj point))) and S34  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:54 |
| S56 | 211 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).ab. and ((base adj2 station) or (access adj point))) and S34  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>13:54 |
| S57 | 240 | ((rng\$req or rng\$rsp or (ranging adj (request\$5))) same (HO or handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))) and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).bsum. | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>14:42 |
| S58 | 222 | S34 and S57   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>14:42 |
| S59 | 218 | ((base adj2 station) or (access adj point)) and S58   | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>14:42 |
| S60 | 57  | ((ranging and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))).ab.  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>14:46 |
| S61 | 288 | ((ranging.bsum. and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).ab.)  | US-PGPUB;<br>USPAT | OR | ON | 2011/05/27<br>14:46 |

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| S62 | 142  | (rng\$req or rng\$rsp or (ranging adj request\$5)) and S61   | US-PGPUB; USPAT | OR | ON | 2011/05/27 14:47 |
| S63 | 1198 | (ranging.bsum. and (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off)).bsum.)              | US-PGPUB; USPAT | OR | ON | 2011/05/27 14:47 |
| S64 | 2    | ((access adj2 message) same C/D) same (handover or handoff or hand\$over or hand\$off or (hand\$4 adj over) or (hand\$4 adj off))) | US-PGPUB; USPAT | OR | ON | 2011/05/29 12:49 |

### EAST Search History (Interference)

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5/ 29/ 2011 2:29:26 PM

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